

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David A. Bilodeau (Reg. 42325) on Aug 05 2011.

1. Claim 1. (Currently Amended) A recording system for recording a broadcasting program comprising:

- a channel demodulating part configured to receive and demodulate the broadcasting program on a particular channel;

- a storage medium configured to record the broadcasting program;

- a controller configured to select the broadcasting program from among a plurality of broadcasting programs scheduled to be recorded onto the storage medium starting at a same time, to set a value for an identifying information corresponding to the selected broadcasting program to a first value when the selected broadcasting program first starts to be recorded on the storage medium, to set a value for identifying information corresponding to non-selected broadcasting programs to the first value and to change the value of the identifying information corresponding to the selected broadcasting program to a second value when the selected broadcasting program is successfully recorded onto the storage medium or maintain the value of the identifying information corresponding to the selected broadcasting program to the first value when the selected broadcasting program fails to be successfully recorded onto the storage medium; and
- a recording processing part configured to store identifying information, recording start time, recording end time and channel information corresponding to broadcasting programs scheduled to be recorded onto the storage medium, to read the identifying

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information corresponding to broadcasting programs scheduled to be recorded onto the storage medium, and to automatically request a network server for the re-transmission of a broadcasting program for recording whose previous attempt at recording onto the storage medium failed and without waiting for the network server to rebroadcast the program for recording, wherein the request to the network server includes a recording start time, recording end time and channel information for the broadcast program requested to be re-transmitted for recording.

2. Claim 8 is canceled.

3. Claim 9. (Currently Amended) The recording system as claimed in ~~claim 8~~, ~~wherein the recording parameter storage part is a ROM (read-only memory)~~ claim 1, where in the recording processing part stores the identifying information and the information on the broadcasting program for recording in a ROM (read-only memory).

4. Claim 10. (Currently Amended) The recording system as claimed in ~~claim 8~~, ~~wherein the recording parameter storage part~~ claim 1, wherein the stored information includes one bit of an identifying information field, 20 bits of a record starting time field, 20 bits of a record end time field, and 7 bits of a channel information field.

5. Claim 12. (Currently Amended), The recording system as claimed in ~~claim 8~~, ~~wherein the network interface part includes~~ claim 1, wherein the network server is accessed via at least one of a LAN Card and a MODEM.

6. Claim 13. (Currently Amended) The recording system as claimed in ~~claim 8~~, ~~wherein the network interface part is further configured to be connected to~~ claim 1, wherein the network server includes a program server or a broadcasting station for communication.

7. Claim 14. (Currently Amended) A method for recording a broadcasting program in a recording system having a storage medium for storing the broadcasting program intended to record, and a recording processing part having a recording parameter storage part and a network interface part, the method comprising:
selecting a broadcasting program from among a plurality of broadcasting programs scheduled to be recorded on the storage medium at a same time;
setting a value for an identifying information corresponding to the selected broadcasting

program to a first value, setting a value for identifying information corresponding to the non- selected broadcasting programs to the first value, and storing information corresponding to the broadcasting programs scheduled to be recorded on the storage medium in the recording processing part, wherein the identifying information corresponding to the selected broadcasting program and non-selected broadcasting programs are also stored in the recording processing part;
recording the selected broadcasting program on the storage medium according to the information on the selected broadcasting program;
determining the success of the recording of the selected broadcasting program;
changing the value of the identifying information corresponding to the selected broadcasting program to a second value if the recording of the selected broadcasting program is successful, and maintaining the value of the identifying information corresponding to the selected broadcasting program to the first value if the recording of the selected broadcasting program fails; and automatically requesting re-transmission to a network server for a broadcasting program for recording whose previous attempt at recording onto the storage medium failed and without waiting for the network server to rebroadcast the program for recording,
wherein the request to the network server includes a recording start time, recording end time and channel information for the broadcast program requested to be re-transmitted for recording.

8. Claim 21. (Currently Amended) The method as claimed in ~~claim 19~~ claim 14, further comprising: changing the value of the identifying information corresponding to the selected broadcasting program to the second value if there is a user's record stop request.

9. Claim 23 is canceled.

10. Claim 24. (Currently Amended) The method as claimed in ~~claim 23~~, wherein the ~~information on the transmitted broadcasting program is a program ID for matching the program~~ claim 14, wherein the re-transmission of the broadcasting program includes a program ID for matching to the program.

Allowable Subject Matter

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11. Claims 1-3, 7, 9, 10-18, 20, 21, 24 and 27-29 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose or suggest a recording system (item "a" below) or a method (item "b" below) for recording a broadcasting program comprising (along with all of the other elements claimed):

a. a controller configured to select the broadcasting program from among a plurality of broadcasting programs scheduled to be recorded onto the storage medium starting at a same time, to set a value for an identifying information corresponding to the selected broadcasting program to a first value when the selected broadcasting program first starts to be recorded on the storage medium, to set a value for identifying information corresponding to non-selected broadcasting programs to the first value and to change the value of the identifying information corresponding to the selected broadcasting program to a second value when the selected broadcasting program is successfully recorded onto the storage medium or maintain the value of the identifying information corresponding to the selected broadcasting program to the first value when the selected broadcasting program fails to be successfully recorded onto the storage medium; and

a recording processing part configured to store identifying information, recording start time, recording end time and channel information corresponding to broadcasting programs scheduled to be recorded onto the storage medium, to read the identifying information corresponding to broadcasting programs scheduled to be recorded onto the storage medium, and to automatically request a network server for the re-transmission of a broadcasting program for recording whose previous attempt at recording onto the storage medium failed and without waiting for the network server to rebroadcast the program for recording,

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wherein the request to the network server includes a recording start time, recording end time and channel information for the broadcast program requested to be re-transmitted for recording.

b. selecting a broadcasting program from among a plurality of broadcasting programs scheduled to be recorded on the storage medium at a same time; setting a value for an identifying information corresponding to the selected broadcasting program to a first value, setting a value for identifying information corresponding to the non-selected broadcasting programs to the first value, and storing information corresponding to the broadcasting programs scheduled to be recorded on the storage medium in the recording processing part, wherein the identifying information corresponding to the selected broadcasting program and non-selected broadcasting programs are also stored in the recording processing part;

recording the selected broadcasting program on the storage medium according to the information on the selected broadcasting program;

determining the success of the recording of the selected broadcasting program;

changing the value of the identifying information corresponding to the selected broadcasting program to a second value if the recording of the selected broadcasting program is successful, and maintaining the value of the identifying information corresponding to the selected broadcasting program to the first value if the recording of the selected broadcasting program fails; and automatically requesting re-transmission to a network server for a broadcasting program for recording whose previous attempt at recording onto the storage medium failed and without waiting for the network server to rebroadcast the program for recording, wherein the request to the network server includes a recording start time, recording end time and channel information for the broadcast program requested to be re-transmitted for recording.

There are two Independent claims 1 and 14; claims 2, 3, 7, 9, 10-13 depend from claim

1 and claims 15-18, 20, 21, 24, 27-28 depend from claim 14.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASHER KHAN whose telephone number is (571)270-5203. The examiner can normally be reached on 9:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on (571)272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. K./

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Examiner, Art Unit 2481

/William C. Vaughn, Jr./

Supervisory Patent Examiner, Art Unit 2481